

CLAIMS:

- 1 1. A handheld computing device having voice input and voice output,
2 comprising:
3 a handheld unit including a processor and a display communicating with said
4 processor;
5 a handset including means for voice input and means for voice output;
6 a mechanism for docking said handset with said handheld unit forming a
7 docked unit, said docked unit dimensioned to be held in one hand while being used
8 for voice input and voice output; and,
9 at least one connection for carrying voice-representative signals between said
10 handheld unit and said handset.
- 1 2. A device, as set forth in claim 1, wherein said connection for carrying voice-
2 representative signals is one of an optical link, a radio frequency link and a wired
3 cable.
- 1 3. A device, as set forth in claim 1, wherein said handset includes a formed-
2 support for carrying said handset by a user's ear and hands-free headset operation.
- 1 4. A device, as set forth in claim 3, wherein said formed-support is a flexible
2 loop configured for partially surrounding the base of a user's ear.
- 1 5. A device, as set forth in claim 1, further including an image scanner.
- 1 6. A device, as set forth in claim 5, wherein said handset further includes a
2 rotatable joint for adjustably carrying said image scanner and scanning in a plurality
3 of directions relative to said handheld unit.
- 1 7. A device, as set forth in claim 1, further including means for communicating
2 with a remote location.
- 1 8. A device, as set forth in claim 7, wherein said means for communicating with

Sub
A
9787472-034504
FOSTER 2/28/2001

2 a remote location is at least one of means for wireless communication and means for
3 wired communication.

1 9. A device, as set forth in claim 8, wherein said means for wireless
2 communications is at least one of means for cellular communication^{and} means for
3 satellite communication.

1 10. A device, as set forth in claim 8, wherein said means for wired
2 communication is means for telecommunication.

1 11. A wireless phone handset for handheld and hands-free operation, including:
2 a handheld unit having means for communicating with remote locations;
3 a headset having a microphone for voice input and a speaker for voice output;
4 a mechanism for docking said handset with said handheld unit forming a
5 docked unit, said docked unit dimensioned to be held in one hand while being used
6 for voice input and voice output; and,
7 at least one connection for carrying voice-representative signals between said
8 handheld unit and said headset, both when said headset is docked with said handheld
9 unit and when said headset is separate from said handheld unit.

1 12. A device, as set forth in claim 11, wherein said headset includes a recharge-
2 able headset power-source, said handheld unit further including means to recharge
3 said headset power-source when said headset is docked with said handheld unit.

1 13. A device, as set forth in claim 11, wherein said connection for carrying
2 voice-representative signals is one of an optical link, a radio frequency link and a
3 wired cable.

1 14. A device, as set forth in claim 11, wherein said handset includes a formed-
2 support for carrying said handset by a user's ear and hands-free headset operation.

1 15. A device, as set forth in claim 14, wherein said formed-support is a flexible
2 loop configured for partially surrounding the base of a user's ear.

Sub
#1

09787472-034504

Sub A1

1 16. A handheld computing and communication device, including:
2 a handheld unit including a processor and a display communicating with said
3 processor;
4 a card-shaped peripheral that communicates with remote locations, said
5 handheld unit having a slot for accepting said card-shaped peripheral;
6 a handset including means for voice input and means for voice output;
7 a mechanism for docking said handset with said handheld unit forming a
8 docked unit, said docked unit dimensioned to be held in one hand while being used
9 for voice input and voice output;
10 at least one connection for carrying voice-representative signals between said
11 handheld unit and said headset, both when said headset is docked with said handheld
12 unit and when said headset is separate from said handheld unit; and,
13 said card-shaped peripheral carrying at least one of said connection for
14 carrying voice-representative signals and said mechanism for docking said handset to
15 said handheld unit.

1 17. A device, as set forth in claim 16, wherein said connection for carrying
2 voice-representative signals is one of an optical link, a radio frequency link and a
3 wired cable.

1 18. A device, as set forth in claim 16, wherein said means for communicating
2 with a remote location is at least one of means for wireless communication and
3 means for wired communication.

1 19. A device, as set forth in claim 18, wherein said means for wireless
2 communications is at least one of means for cellular communication and means for
3 satellite communication.

1 20. A device, as set forth in claim 18, wherein said means for wired
2 communication is means for telecommunication.

1 21. A device, as set forth in claim 16, wherein said card-shaped peripheral

2 includes an image scanner.

1 22. A device as set forth in claim 21, wherein said handset further includes a
2 rotatable joint for adjustably carrying said image scanner and scanning in a plurality
3 of directions relative to said handheld unit.

1 23. A handset adapted to be removably attached to a handheld host computer of
2 the type having connection for peripherals, the handset comprising:

3 a microphone for voice input and a speaker for voice output;

4 a mechanism for docking said handset with said handheld unit forming a
5 docked unit, said docked unit dimensioned to be held in one hand while being used
6 for voice input and voice output; and,

7 at least one connection for carrying voice-representative signals between said
8 handheld unit and said headset, both when said headset is docked with said handheld
9 unit and when said headset is separate from said handheld unit.

1 24. A device, as set forth in claim 23, wherein said connection for carrying
2 voice-representative signals is one of an optical link, a radio frequency link and a
3 wired cable.

1 25. A device, as set forth in claim 23, wherein said handset includes a formed-
2 support for carrying said handset by a user's ear and hands-free headset operation.

1 26. A device, as set forth in claim 23, wherein said formed-support is a flexible
2 loop configured for partially surrounding the base of a user's ear.

Sub
A1

FILED "2428260